

IN THE CLAIMS:

Please amend the claims as indicated. A complete set of the claims is included below, reflecting added subject matter (*underlining*) and deleted subject matter (*strikethrough*), as well as the current status of each claim. This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) In an initiator device having a memory for responding-device data and a wireless transceiver, a method for discovering a name of a responding device comprising:

broadcasting a first wireless signal to be received by said responding device;
receiving a second wireless signal from said responding device, said second wireless signal sent in response to said first wireless signal and comprising an address for said responding device;

accessing [[a]] said memory [[cache]] comprising names of devices using said second wireless signal;

determining whether a name for said responding device is present in said memory [[cache]];

transmitting a wireless request for a name to said responding device provided a name for said responding device is absent from said memory [[cache]];

receiving a name for said responding device in response to said wireless request; and

storing said name received from said responding device in said memory [[cache]], wherein said name is indexed in said memory [[cache]] using said address for said responding device and wherein said name is retrievable from said memory [[cache]] using said address.

2. (Canceled)

3. (Currently Amended) The method as recited in Claim 1 comprising:
removing from said memory [[cache]] an entry for one of said devices when a total number of [[cache]] memory entries exceeds a predetermined limit, said entry comprising a name and an address.
4. (Currently Amended) The method as recited in Claim 3 wherein an entry is removed from said memory [[cache]] according to an aging scheme, wherein said aging scheme ranks entries according to frequency of use.
5. (Currently Amended) The method as recited in Claim 1 comprising:
updating said memory [[cache]] when said name for said responding device is changed.
6. (Previously Presented) The method as recited in Claim 1 comprising:
displaying said name on a display of said initiator device.
7. (Original) The method as recited in Claim 1 wherein said initiator device and said responding device are Bluetooth-enabled devices.
8. (Original) The method as recited in Claim 1 wherein said initiator device is a portable computer system.
9. (Currently Amended) In an initiator device having a memory and a wireless transceiver, a method for identifying a responding device by name comprising:
broadcasting a first wireless signal to be received by said responding device;
receiving a second wireless signal from said responding device, said second wireless signal sent in response to said first wireless signal and comprising an address for said responding device;
sending a wireless paging signal to said responding device;
receiving from said responding device a response to said wireless paging signal;

determining whether a name for said responding device is present in [[a]] said memory [[cache]] of said initiator device;

transmitting a wireless request for a name to said responding device provided a name for said responding device is absent from said memory [[cache]];

receiving a name for said responding device in response to said wireless request;

storing said name and said address received from said responding device in said memory [[cache]], said name indexed by said address; and

using said name address to retrieve said address name from said memory [[cache]].

10. (Canceled)

11. (Previously Presented) The method as recited in Claim 9 comprising:
displaying said name on a display of said initiator device.

12. (Currently Amended) The method as recited in Claim 9 comprising:
updating said memory [[cache]] when said name for said responding device is changed.

13. (Currently Amended) The method as recited in Claim 9 further comprising:
storing in said memory [[cache]] an entry for each of a plurality of other responding devices, said entry comprising a name and an address.

14. (Currently Amended) The method as recited in Claim 13 further comprising:
removing from said memory [[cache]] an entry for one of said responding devices when a total number of memory [[cache]] entries exceeds a predetermined limit.

15. (Currently Amended) The method as recited in Claim 13 wherein an entry is removed from said memory [[cache]] according to an aging scheme, wherein said aging scheme ranks entries according to frequency of use.

16. (Original) The method as recited in Claim 9 wherein said initiator device and said responding device are Bluetooth-enabled devices.

17. (Original) The method as recited in Claim 9 wherein said initiator device is a portable computer system.

18. (Currently Amended) A wireless communication device comprising:
a bus;
a wireless transceiver unit coupled to said bus and for communicating with responding devices;
a memory [[cache]] coupled to said bus; and
a processor coupled to said bus, said processor for performing a method for identifying a responding device by name, said method comprising:
broadcasting a first wireless signal to be received by said responding device;
receiving an address for said responding device in response to said first wireless signal;
determining whether a name for said responding device is present in said memory [[cache]];
transmitting a first wireless request for a name to said responding device provided a name for said responding device is absent from said memory [[cache]];
receiving said name for said responding device in response to said first wireless request;
storing said address and said name received from said responding device in said memory [[cache]], said name indexed by said address; and
retrieving said name from said memory [[cache]] to subsequently identify said responding device in lieu of performing a second wireless request after said first wireless request, wherein said name is retrieved from said memory [[cache]] using said address.

19. (Currently Amended) The wireless communication device of Claim 18 wherein said retrieving step comprises:

broadcasting a second wireless signal to be received by said responding device;
receiving said address from said responding device in response to said second wireless signal; and
retrieving from said memory [[cache]] said name corresponding to said address.

20. (Original) The wireless communication device of Claim 18 comprising:
a display device for displaying said name obtained from said memory [[cache]].

21. (Currently Amended) The wireless communication device of Claim 18 wherein said method comprises:

updating said memory [[cache]] when said name for said responding device is changed.

22. (Currently Amended) The wireless communication device of Claim 18 wherein said storing step comprises:

storing in said memory [[cache]] an entry for each of a plurality of responding devices, said entry comprising a name and an address.

23. (Currently Amended) The wireless communication device of Claim 22 wherein said storing step further comprises:

removing from said memory [[cache]] an entry for one of said plurality of responding devices when a total number of [[cache]] memory entries exceeds a predetermined limit.

24. (Currently Amended) The wireless communication device of Claim 22 wherein an entry is removed from said memory [[cache]] according to an aging scheme, wherein said aging scheme ranks entries according to frequency of use.

Application No.: 09/676,270
Reply to final Office Action of: July 11, 2007

25. (Original) The wireless communication device of Claim 18 wherein said wireless communication device and said responding device are Bluetooth-enabled devices.

26. (Original) The wireless communication device of Claim 18 wherein said wireless communication device is a portable computer system.